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(54) Title: LITHOGRAPHIC PRINTING MEMBERS AND A METHOD AND A SYSTEM FOR PREPARATION OF LITHO-GRAPHIC PRINTING MEMBERS

(57) Abstract: Lithographic printing members and a method and system for fabricating them is provided. The printing member may comprise a base layer, a laser-absorbing layer, which may be a gradient solid dispersion of metal and metal-oxide areas, and a coating layer. The concentration ratios between the metal and the metal-oxide vary throughout a thickness of the laser-absorbing layer and the coating layer and the base layer have different affinities for ink. The method of fabricating the printing member may comprise preparing on demand for a single use a liquid-based coating material, pouring the coating material onto a substrate that may comprise a base layer and a laser-absorbing layer and laminating a form film onto the liquid-based coating material to form a coating layer.



